

# Product Datasheet

## IGF-I/IGF-1 Antibody (IGF1/1020) [DyLight 680] NBP2-48001FR

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-48001FR**

IGF-I/IGF-1 Antibody (IGF1/1020) [DyLight 680]

| Product Information  |   |
|----------------------|---|
| <b>Unit Size</b>     | 0.1 ml  |
| <b>Concentration</b> | Please see the vial label for concentration. If unlisted please contact technical services. |
| <b>Storage</b>       | Store at 4C in the dark.  |
| <b>Clonality</b>     | Monoclonal  |
| <b>Clone</b>         | IGF1/1020   |
| <b>Preservative</b>  | 0.05% Sodium Azide  |
| <b>Isotype</b>       | IgG1 Kappa  |
| <b>Conjugate</b>     | DyLight 680   |
| <b>Purity</b>        | Protein A or G purified   |
| <b>Buffer</b>        | 50mM Sodium Borate  |

| Product Description            |   |
|--------------------------------|---|
| <b>Description</b>             | This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.   |
| <b>Host</b>                    | Mouse   |
| <b>Gene ID</b>                 | 3479  |
| <b>Gene Symbol</b>             | IGF1  |
| <b>Species</b>                 | Human, Mouse, Rat, Rabbit   |
| <b>Specificity/Sensitivity</b> | This antibody is specific to Insulin-like Growth Factor (IGF-1) and shows minimal cross-reaction with IGF-11, Proinsulin, MSF, and Insulin. IGF-1 is a polypeptide growth factor with two isoforms that are produced by alternative splicing. Isoform 1 is also known as IGF-1B while isoform 2 is known as IGF-1A. IGF-1 stimulates the proliferation of a wide range of cell types including muscle, bone and cartilage tissue. It functions as an autocrine regulator of growth. Activation of IGF system has emerged as a key factor for tumor progression and resistance to apoptosis in many cancers like those of breast, thyroid and colon. |
| <b>Immunogen</b>               | Recombinant full-length human IGF-I/IGF-1 protein (Uniprot: P05019)   |
| <b>Notes</b>                   | DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.   |

| Product Application Details  |  |
|------------------------------|--|
| <b>Applications</b>          | Flow Cytometry, Immunocytochemistry/ Immunofluorescence, CyTOF-ready, Immunofluorescence |
| <b>Recommended Dilutions</b> | Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunofluorescence, CyTOF-ready |
| <b>Application Notes</b>     | Optimal dilution of this antibody should be experimentally determined.                   |



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### **Products Related to NBP2-48001FR**

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|                    |   |
|--------------------|---|
| NBP1-43319FR-0.5ml | Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1) [DyLight 680] |
| NBP2-35000-100ug   | Recombinant Human IGF-I/IGF-1 Protein                       |
| 236-EG-200         | EGF [Unconjugated]  |
| 291-G1-200         | IGF-I/IGF-1 [Unconjugated]                                  |

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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